at1110paper_practice_test (v46)

1. Solve the equation with factoring by grouping.

$$20x^2 + 8x + 15x + 6 \;=\; 0$$

2. Solve the equation.

$$8x^2 + 3x - 8 \;=\; 3x^2 + 4x - 2$$

3. Expand the following expression into standard form.

$$(3x + 7)(2x - 5)$$

4. Solve the equation.

$$(8x - 5)(7x + 6) \;=\; 0$$

5. Factor the expression.
$$49x^2 - 36$$

6. Expand the following expression into standard form.
$$(5x - 7)(5x + 7)$$

7. Factor the expression.
$$x^2 + 6x - 16$$

8. Expand the following expression into standard form.
$$(7x - 4)^2$$